



>>Entry Name: Hentriacontanoic acid, 9CI

Synonym(s): Melissic acid‡

CAS Registry Number: 38232-01-8

Related CAS Registry Numbers(s): 77630-51-4

$\text{H}_3\text{C}(\text{CH}_2)_{29}\text{COOH}$

Molecular Formula:  $\text{C}_{31}\text{H}_{62}\text{O}_2$

Molecular Weight: 466.83

Accurate Mass: 466.47498

Percentage Composition: C 79.76%; H 13.39%; O 6.85%

Biological Source: Isol. from leaf wax of *Agave sisalana* and other plants

Physical Description: Cryst. ( $\text{Me}_2\text{CO}$ )

Melting Point: Mp 93-93.2°

Sigma: H5889

>>Derivative: Pentyl ester

Synonym(s): Pentyl hentriacontanoate

Molecular Formula:  $\text{C}_{36}\text{H}_{72}\text{O}_2$

Molecular Weight: 536.964

Accurate Mass: 536.55323

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

Biological Source: Isol. from the red alga *Chondria armata*

Melting Point: Mp 60-62°

#### References:

Piper, S.H. *et al.*, *Biochem. J.*, 1934, **28**, 2175, (*synth*)

Razafindrazaka, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1963, 1633, (*isol*)

Rao, S.J. *et al.*, *Indian J. Chem., Sect. B*, 1987, **26**, 208, (*synth*)

Govenkar, M.B. *et al.*, *Phytochemistry*, 2000, **54**, 979-981, (*pentyl ester*)